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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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|-------------------------------|---|--------------------------|
| In re Application of: |) | ART UNIT: 1645 |
| |) | |
| BIRKELUND et al |) | Examiner: S. Devi |
| |) | |
| Appln. No.: 09/446,677 |) | Washington, D.C. |
| |) | |
| Filed: March 24, 2000 |) | April 19, 2001 |
| |) | |
| For: SURFACE EXPOSED PROTEINS |) | Atty.Docket: BIRKELUND=1 |
| FROM CHLAMYDIA |) | |

RESPONSE TO FURTHER "SEQUENCE LISTING" REQUIREMENT

Honorable Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the further Notice to Comply, mailed
March 23, 2001, please amend the application as follows:

IN THE SPECIFICATION

Please substitute the enclosed "Sequence Listing"
(pages 35-100) for the last submitted (pages 35-99) and
renumber the subsequent pages accordingly.

REMARKS

1. Applicants hereby submit the following:
[] a paper copy of a "Sequence Listing", complying
with §1.821(c), to be incorporated into the